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PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/728,886
		Filing Date	12/08/2003
		First Named Inventor	Kia Silverbrook
		Art Unit	2853
		Examiner Name	AN H. DO
Sheet 1 of 8	Attorney Docket Number	ZE008US	

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. 1	Document Number Number - Kind Code 2 (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US 5,505,912 B2 *	Jan 2003	Silverbrook et al.	
		US 5,812,159 **	Sep 1998	Anagnostopoulos et al.	
		US 6,247,790 B1 **	Jun 2001	Silverbrook et al.	
		US 6,007,187 **	Dec 28, 1999	Kashino et al.	
		US 5,896,155 **	Apr 20, 1999	Lebens et al.	
		US 4,855,567 **	Aug 08, 1989	Mueller	
		US 5,719,604 /	Feb 17, 1998	Inui et al.	
		US 5,666,141 /	Sept 09, 1997	Matoba et al.	
		US 4,672,398 /	June 09, 1987	Kuwabara et al.	
		US 4,737,802 /	Apr 12, 1988	Mielke	
		US 5,029,805 /	July 9, 1991	Albarda et al.	
		US 5,258,774 /	Nov 2, 1993	Rogers	
		US 4,553,393 /	Nov 19, 1985	Ruoff	
		US 4,864,824 /	Sept 12, 1989	Gabriel et al.	
		US 4,423,401 /	Dec 27, 1983	Mueller	
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FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No. 1	Foreign Patent Document Country Code 3 - Number 4 - Kind Code 5 (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		EP 0416540 A2	Mar 1991	Usui et al.	
		JP 404001051-A **	Jan 1992	Komai	
		EP 0,713,774 /	05.29.1996	Sharp Kabushiki Kaisha	
		DE 195 16 997 /	11.16.1995	Sharp KK	
		DE 196 23 620 /	12.19.1996	Sharp KK	
		JP 2-108544 (Abstract) /	04.20.1990	Seiko Epson Corp	
		JP 2-92643 (Abstract) /	04.03.1990	Seiko Epson Corp	
		JP 4-353458 (Abstract) /	12.08.1992	Brother Ind Ltd	
		JP 6-91865 (Abstract) /	04.05.1994	Seikosha Co Ltd	
		JP 6-91866 (Abstract) /	04.05.1994	Seikosha Co Ltd	
		JP 2-265752 (Abstract) /	10.30.1990	Matsushita Electronic Ind Co Ltd	
		EP 0 634 273 /	01.18.1995	Sharp Kabushiki Kaisha	

Examiner Signature		Date Considered	8/27/04
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/728,886
				Filing Date	12/08/2003
				First Named Inventor	Kia Silverbrook
				Art Unit	2853
				Examiner Name	AN H. DO
Sheet	3	of	8	Attorney Docket Number	ZE008US

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FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. 1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code 3 - Number 4 - Kind Code 6 (if known)			
<i>[Signature]</i>	}	JP 02.162049 (Abstract) ✓	06.21.1990	Seiko Epson Corp	
<i>[Signature]</i>		DE 32 45 283 ✓	06.07.1984	Siemens AG	
<i>[Signature]</i>		JP 04.368851 (Abstract) ✓	12.21.1992	Seiko Epson Corp	
<i>[Signature]</i>		JP 02.158348 (Abstract) ✓	06.18.1990	Minolta Camera Co. Ltd	
<i>[Signature]</i>		JP.03.112662 (Abstract) ✓	05.14.1991	Seiko Epson Corp	
<i>[Signature]</i>		JP.03.653348 (Abstract) ✓	03.20.1991	Matsushita Electric Ind Co	
<i>[Signature]</i>		EP 0.431.338 ✓	06.12.1991	Matsushita Electric Ind Co	
<i>[Signature]</i>		JP.01.257058 ✓	10.13.1989	Seiko Epson Corp	
<i>[Signature]</i>		DE-195-17-969 ✓	11.30.1995	Sharp K.K	

Examiner Signature		Date Considered	8/27/04
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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/728 886
				Filing Date	12/08/2003
				First Named Inventor	Kia Silverbrook
				Art Unit	2853
				Examiner Name	Ad H. DO
Sheet	4	of	8	Attorney Docket Number	ZE008US

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary) .

Sheet 4 of 8

Application Number	10/728,886
Filing Date	12/08/2003
First Named Inventor	Kia Silverbrook
Art Unit	2853
Examiner Name	AN H. DO
Attorney Docket Number	ZE008US

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FOREIGN PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)			
<i>JS</i>		DE 196 39 717 /	04.17.1997	Sharp K.K.	
<i>JS</i>		EP 0 737 580 /	10.16.1996	Canon K.K.	
<i>JS</i>		EP 0 882 590 /	12.09.1998	Canon K.K.	
<i>JS</i>		EP 0 478 956 /	04.08.1992	Kernforschungsz Karlsruhe GMBH	
<i>JS</i>		DE 1 648 322 /	03.24.1971	VDO Tachometerwerke GMBH	
<i>JS</i>		GB 1 428 239 /	03.17.1976	Cible Projecteurs	
<i>JS</i>		DE 39 34 280 /	04.26.1990	CAE di Cipelletti Alberto	
<i>JS</i>		DE 29 05 063 /	08.14.1980	Olympia-Werke AG	
<i>JS</i>		WO 94 18010 /	08.18.1994	Domino-Printing-Sciences PLC	

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Date Considered

8/27/04

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	101928886
				Filing Date	12/08/2003
				First Named Inventor	Kia Silverbrook
				Art Unit	2853
				Examiner Name	AN H. DC
Sheet	5	of	8	Attorney Docket Number	ZE008US

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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.†	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code‡ Number§ and Code* (if known)				
<i>JS</i>		EP 0 398 031	11.22.1990	Seiko Epson Corp		
<i>JS</i>		EP 0 427 291	05.15.1991	Seiko Epson Corp		
<i>JS</i>		JP 01115639 (Abstract)	05:08:1989	Ricoh Co Ltd		
<i>JS</i>		JP 58 116165 (Abstract)	07.11.1983	Canon K.K		
<i>JS</i>		EP 0 627 314	12.07.1994	Olivetti Canon Ind SPA		
<i>JS</i>		JP 61 268453 (Abstract)	11.27.1986	Olympus Optical Co Ltd		
<i>JS</i>		JP 04 118241 (Abstract)	04.20.1992	Seiko Epson Corp		
<i>JS</i>		EP 0 506 232	09.30.1992	Videojet Systems Int, Inc		
<i>JS</i>		JP 07 314665 (Abstract)	12.05.1995	Canon Inc		
<i>JS</i>		JP 03 180350	08.06.1991	Seiko Epson Corp		

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Substitute for form 1448A/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/ 728, 886
				Filing Date	12/08/ 2003
				First Named Inventor	Kia Silverbrook
				Art Unit	2853
				Examiner Name	Ad H. VO
Sheet	6	of	8	Attorney Docket Number	ZE008US

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FOREIGN PATENT DOCUMENTS					
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		Country Code‡ - Number§ - Kind Code* (if known)			
<i>[Signature]</i>	<i>[Mark]</i>	WO 97 12689 ✓	04.10.1997	The Board of Trustees of the Leland Stanford University	<i>[Mark]</i>
<i>[Signature]</i>	<i>[Mark]</i>	JP 02 050841 (Abstract) ✓	02.20.1990	Seiko Epson Corp.	<i>[Mark]</i>
<i>[Signature]</i>	<i>[Mark]</i>	EP 0 510 648 ✓	10.28.1992	Ivri Yehuda	<i>[Mark]</i>
<i>[Signature]</i>	<i>[Mark]</i>	JP 05 28765 (Abstract) ✓	10.29.1993	Canon Inc.	<i>[Mark]</i>
<i>[Signature]</i>	<i>[Mark]</i>	JP 04 141429 (Abstract) ✓	05.14.1992	Seiko Epson Corp.	<i>[Mark]</i>
<i>[Signature]</i>	<i>[Mark]</i>	JP 01 105746 (Abstract) ✓	04.24.1989	Ricoh Co., Ltd.	<i>[Mark]</i>
<i>[Signature]</i>	<i>[Mark]</i>	GB 792 145 ✓	03.19.1958	Technograph Printed Circuits Ltd.	<i>[Mark]</i>
<i>[Signature]</i>	<i>[Mark]</i>	EP 0 750 993 ✓	01.02.1997	Canon K.K.	<i>[Mark]</i>

Examiner Signature		Date Considered	8/27/04
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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(use as many sheets as necessary)</small>		Application Number	10/728,886
		Filing Date	12/08/03
		First Named Inventor	Kia Silverbrook
		Group Art Unit	2853
		Examiner Name	AN H. DO
Sheet 8 of 8	Attorney Docket Number	ZE008US	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		NOWOROLSKI, J. MARK et al, "Process for in-plane and out-of-plane single-crystal-silicon thermal microactuators". Sensors and Actuators, A, CH, Elsevier-Sequoia S.A., Lausanne, Vol-55, no-1, 15-July-1996, pp-65-69, XP004077979 ISSN: 0924-4247.	
		ATAKA, MANABU et al, "Fabrication and Operation of Polymide-Bimorph Actuators for Ciliary Motion System". Journal of Microelectromechanical Systems, US, IEEE Inc. New York, Vol. 2, no. 4, 1 December 1993, pp 146-150, XP000443412, ISSN: 1057-7157.	
		YAMAGATA, YUTAKA et al, "A Micro Mobile Mechanism Using Thermal Expansion and its Theoretical Analysis". Proceeding of the workshop on micro electro mechanical systems (MEMS), US, New York, IEEE, Vol. Workshop 7, 25 January-1994, pp-142-147, XP000528408, ISBN: 0-7803-1834-X.	

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